

**Amendments to the Specification:**

Please add the following new paragraph before the paragraph reading "DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS" on page 3 of the clean copy of the substitute specification:

Figure 4 is a flowchart illustrating an exemplary embodiment of the method of the claimed invention.

Please add the following new paragraph before the last full paragraph on page 6 of the clean copy of the substitute specification:

Referring to Figure 4, the compensation is carried out in accordance with an exemplary embodiment of the invention by: determining the measured current ( $I_{meas}$ ) at a certain predetermined time during an actuation period ( $t_{PWM}$ ) (step 200); determining at least one compensation variables in response to temperature and/or supply voltage (step 202); adding the at least one compensation variables to the measured current ( $I_{meas}$ ) (step 204); determining a corrected nominal current ( $I_{nominal}$ ) (step 206) and supplying the corrected nominal current ( $I_{nominal}$ ) to the PWM current control (step 208).